

WHAT IS CLAIMED IS

1. A loudspeaker system having a wide-directional characteristics comprising:

a loudspeaker body having a polyhedron shape;

a plurality of speakers disposed on an outer peripheral surface of the loudspeaker body in a manner that axial lines of adjacent two speakers intersect each other at a predetermined angle; and

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a correction filter operatively connected to the speakers, said correction filter providing correction value set so as to obtain a flatness of sound pressures at various portions around the loudspeaker body.

2. A loudspeaker system according to claim 1, wherein said loudspeaker body has a regular polyhedron shape having a plurality of outer surfaces on which said speakers are arranged respectively.

3. A loudspeaker system according to claim 2, wherein said regular polyhedron shape is a regular dodecahedron shape having twelve outer surfaces on which twelve speakers are arranged, respectively, said twelve speakers including three sets of speaker groups connected in parallel to each other, one of three sets of speaker groups including four speakers connected in series.

4. A loudspeaker system according to claim 2, wherein said regular polyhedron shape is a regular dodecahedron shape having twelve outer surfaces on which twelve speakers are arranged, respectively, said twelve speakers including four sets of speaker groups connected in series, one of four sets of speaker groups including three speakers connected in parallel to each other.

5. A loudspeaker system according to claim 1, wherein said correction filter includes at least two resistors and capacitors which are operatively connected.

6. A loudspeaker system having a wide-directional characteristics comprising:

a loudspeaker body having a spherical shape;
a plurality of speakers disposed on an outer peripheral surface of the loudspeaker body in a manner that axial lines of adjacent two speakers intersect each other at a predetermined angle; and

a correction filter operatively connected to the speakers, said correction filter providing correction value set so as to obtain a flatness of sound pressures at various portions around the loudspeaker body.